

APPLICATION		REVISION				
NEXTASSEMBLY	USED ON	LTR	DESCRIPTION		DATE	APPROVED
	C65	A	SPECIFICATION RELEASE		i-31-91	jsplit

1.0 DESCRIPTION

This specification describes the requirements for RF modulators for receiving audio signals and NTSC or PAL composite video signals, and outputting combined RF broadcast signals.

Devices must be compliant with FCC Part 15 for TV interface devices.

- 313371-01 = NTSC (USA/Canada)
- 313371-02 = PAL (B) (Germany)
- 313371-03 = PAL (I) (United Kingdom)
- 313371-04 = PAL (G) (Australia/Scandinavia)

Commodore P/N	Status	Commodore P/N	Status		
313371-01	Active				
313371-02	Active				
313371-03	Active				
313371-04	Active				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES: ANGLES +/- 1 DEGREE 2 PLACE DECIMALS +/- 0.02 3 PLACE DECIMALS +/- 0.010		DRAWN A. Young <i>John Young</i>	DATE 1/24/91	Commodore 1200 WILSON DRIVE WEST CHESTER, PA 19380 (215) 431-9100	
		SYSTEM ENGR. <i>D. Shannon</i>	DATE 1/24/91		
		TEST ENGR.	DATE		
COPYRIGHT 1991 COMMODORE ELECTRONICS LTD. INFORMATION CONTAINED HEREIN IS THE UNPUBLISHED AND CONFIDENTIAL PROPERTY OF COMMODORE ELECTRONICS LIMITED. USE, REPRODUCTION OR DISCLOSURE OF THIS INFORMATION WITHOUT THE PRIOR WRITTEN PERMISSION OF COMMODORE IS STRICTLY PROHIBITED. ALL RIGHTS RESERVED.		COMP. ENGR. D. Shannon <i>D. Shannon</i>	DATE 24 JAN 91	TITLE: MODULATOR, RF	
		CIRCUIT ENGR.	DATE		
		PROD. ASSUR.	DATE		
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2.0 RF OUTPUT REQUIREMENTS

Operating voltage:	5.0 \pm 0.2 V		
Operating current:	20 millamps max.		
Video carrier frequency:	Ch 3 (-01) 61.25 MHz (-02) 55.25 MHz (-03) To Be Determined (-04) To Be Determined	Ch 4 67.25 MHz (\pm 250 KHz) 62.25 MHz (\pm 250 KHz)	
Video carrier output level:	66 \pm 6 dB μ		
Video modulation:	75 \pm 10 %		
Audio carrier output level:	53 \pm 3 dB μ		
VSWR (output):	3 max.		
In band spurious response:	- 55 dB max.		
Audio carrier frequency:	(-01) 4.5 MHz (\pm 10 KHz) (-02) 5.5 MHz (\pm 10 KHz) (-03) To Be Determined (-04) To Be Determined		
Audio carrier frequency deviation:	(-01) 40 \pm 10 KHz (-02) 60 \pm 20 KHz (-03) To Be Determined (-04) To Be Determined		
Output spurious response:	- 30 dB max.		

3.0 ENVIRONMENTAL RESISTANCE

Operating temperature:	0 to + 55 ° C
Operating humidity:	10 to 90 % RH non-condensing
Storage temperature:	- 20 to + 60 ° C
Storage humidity:	5 to 90 % RH non-condensing

4.0 MARKINGS

Devices shall be marked with Commodore bar code per specification 310071 and vendor name and part number.

5.0 MINIMUM ACCEPTANCE LEVEL

The minimum acceptance level for any lot will be an AQL of 0.65 as defined by MIL-STD 105 single sampling techniques.

6.0 ENGINEERING CHANGES

No changes shall be made to the device specified herein, which affect its form, fit, or function, without prior approval from Commodore Engineering

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APPROVED VENDOR LIST

THIS SHEET MUST BE REMOVED FROM THIS DOCUMENT
BEFORE THE DOCUMENT IS SHOWN OR TRANSMITTED TO A VENDOR.

Commodore P/N	Vendor	Vendor P/N
313371-01	MITSUMI	VA3424
313371-02	MITSUMI	VE3424
313371-03	MITSUMI	UB3621
313371-04	MITSUMI	UE3621

Commodore

TITLE:
MODULATOR, RF

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